

OIEP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/928,047

DATE: 08/23/2001

TIME: 16:01:06

Input Set : A:\ES.txt

Output Set: N:\CRF3\08162001\I928047.raw

4 <110> APPLICANT: Cantor, Thomas L.
 6 <120> TITLE OF INVENTION: Cyclase Inhibiting Parathyroid Hormone Antagonists or
 Modulators and
 Osteoporosis
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/09/928,047
 C--> 9 <141> CURRENT FILING DATE: 2001-08-10
 W--> 0 <130> FILE REFERENCE:
 9 <160> NUMBER OF SEQ ID NOS: 5
 11 <170> SOFTWARE: Microsoft Word 2000 - ASCII format

ERRORED SEQUENCES

14 <210> SEQ ID NO: 1
 16 <211> LENGTH: 83 [integer length] *delete*
 18 <212> TYPE: PRT
 20 <213> ORGANISM: human parathyroid hormone peptide fragment
 22 <400> SEQUENCE: 1
 24 Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 25 1 5 10 15
 27 Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
 28 20 25 30
 30 His Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala
 31 35 40 45
 33 Gly Ser Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu
 34 50 55 60
 36 Ser His Glu Lys Ser Leu Gly Glu Ala Asn Lys Ala Asp Val Asn
 37 65 70 75
 E--> 39 Val Leu Thyr Lys Ala Lys Ser Gln *inval*
 40 80
 44 <210> SEQ ID NO: 2
 46 <211> LENGTH: 51 [integer length]
 48 <212> TYPE: PRT
 50 <213> ORGANISM: human parathyroid hormone peptide fragment
 52 <400> SEQUENCE: 2
 54 Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly Ser
 55 1 5 10 15
 57 Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser His
 58 20 25 30
 60 Glu Lys Ser Leu Gly Glu Ala Asn Lys Ala Asp Val Asn Val Leu
 61 35 40 45
 E--> 63 Thyr Lys Ala Lys Ser Gln
 64 50
 68 <210> SEQ ID NO: 3
 70 <211> LENGTH: 82 [integer length]
 72 <212> TYPE: PRT
 74 <213> ORGANISM: human parathyroid hormone peptide fragment
 76 <400> SEQUENCE: 3

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```

78 Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn Ser
79 1 5 10 15
81 Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
82 20 25 30
84 Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp Ala Gly
85 35 40 45
87 Ser Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val Glu Ser
88 50 55 60
90 His Glu Lys Ser Leu Gly Glu Ala Asn Lys Ala Asp Val Asn Val
91 65 70 75
E--> 93 Leu Thyr Lys Ala Lys Ser Gln
94 80
98 <210> SEQ ID NO: 4
100 <211> LENGTH: 57 [(integer length)]
102 <212> TYPE: PRT
104 <213> ORGANISM: human parathyroid hormone peptide fragment
106 <400> SEQUENCE: 4
109 Leu Gln Asp Val His Asn Phe Val Ala Leu Gly Ala Pro Leu Ala
110 1 5 10 15
112 Pro Arg Asp Ala Gly Ser Gln Arg Pro Arg Lys Lys Glu Asp Asn
113 20 25 30
115 Val Leu Val Glu Ser His Glu Lys Ser Leu Gly Glu Ala Asn Lys
116 35 40 45
E--> 118 Ala Asp Val Asn Val Leu Thyr Lys Ala Lys Ser Gln
119 50 55
123 <210> SEQ ID NO: 5
125 <211> LENGTH: 57 [(integer length)]
127 <212> TYPE: PRT
129 <213> ORGANISM: human parathyroid hormone peptide fragment
131 <400> SEQUENCE: 5
133 Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu
134 1 5 10 15
136 Asn Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp
137 20 25 30
139 Val His Asn Phe Val Ala Leu Gly Ala Pro Leu Ala Pro Arg Asp
140 35 40 45
142 Ala Gly Ser Gln Arg Pro Arg Lys Lys Glu Asp Asn Val Leu Val
143 50 55 60
145 Glu Ser His Glu Lys Ser Leu Gly Glu Ala Asn Lys Ala Asp Val
146 65 70 75
E--> 148 Asn Val Leu Thyr Lys Ala Lys Ser Gln
E--> 149 80

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VERIFICATION SUMMARY

PATENT APPLICATION: US/09/928,047

DATE: 08/23/2001

TIME: 16:01:07

Input Set : A:\ES.txt

Output Set: N:\CRF3\08162001\I928047.raw

L 9 M:270 C: Current Application Number differs, Replaced Current Application No
L 9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L 0 M:201 W: Mandatory field data missing, FILE REFERENCE
L 39 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L 39 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L 63 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L 63 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L 93 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L 93 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L 118 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L 118 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L 148 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L 148 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:1
L 149 M:252 E: No. of Seq. differs, <211>LENGTH:Input:57 Found:84 SEQ.5